

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of

Mariko Matsumoto

Serial No.: Not Yet Assigned                      Group Art Unit: Not Yet Assigned  
Filing Date: Concurrently Herewith              Examiner: Unknown  
For: WIRELESS APPARATUS EMPLOYING MULTI-LEVEL QAM AND  
METHOD FOR ESTIMATING THRESHOLD VALUE

Honorable Commissioner of Patents  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

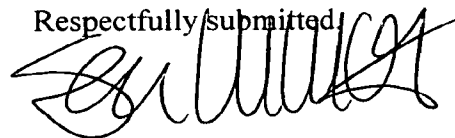
Under the provisions of 37 CFR §1.97 through §1.99 and pursuant to applicant's duty of disclosure under 37 CFR §1.56, applicant respectfully brings the following documents listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. Copies of the listed documents are provided herewith for the convenience of the Examiner. In compliance with the concise explanation requirement under 37 CFR §1.98(a)(3), the relevance of some of these documents are discussed on pages 1, 4, 5, 6 and 7 of the subject application. Further, English-language Abstracts are attached to the references.

This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicant is aware.

It is respectfully requested that the listed references be considered by the Examiner and formally made of record in this application.

Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 50-0481.

Respectfully submitted,



Sean M. McGinn  
Registration No. 34,386

Date: 12/9/03  
McGinn & Gibb, PLLC  
Intellectual Property Law  
8321 Old Courthouse Road, Suite 200  
Vienna, VA 22182-3817  
(703) 761-4100  
Customer No. 21254



